

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
17 February 2005 (17.02.2005)

PCT

(10) International Publication Number  
**WO 2005/014631 A1**

- (51) International Patent Classification<sup>7</sup>: **C07K 14/415**, C12N 15/82, A01H 5/00, C12N 15/29
- (74) Agent: **BIEBERBACH, Andreas**; c/o BASF Aktiengesellschaft, 67056 Ludwigshafen (DE).
- (21) International Application Number: PCT/EP2004/008683
- (22) International Filing Date: 3 August 2004 (03.08.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:  
03018266.1 11 August 2003 (11.08.2003) EP
- (71) Applicant (for all designated States except US): **KWEEK-EN RESEARCHBEDRIJF AGRICO B.V.** [NL/NL]; NL-8300 AA Emmeloord (NL).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **VAN DER VOSEN, Edwin, Andries, Gerard** [NL/NL]; Oortlaan 20, NL-3572 ZM Utrecht (NL). **ALLEFS, Josephus, Jacobs, Henricus, Maria** [NL/NL]; Naardenstraat 8, 8304 EJ Emmeloord (NL). **MUSKENS, Marina, Woutera, Maria** [NL/NL]; Middelplaat 8, NL-8303 MK Emmeloord (NL).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:  
— with international search report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: **FUNGUS RESISTANT PLANTS AND THEIR USES**

(57) Abstract: The present invention relates to a novel method for increasing the resistance, of a plant, in particular of a Solanaceae, preferably of potato and tomato, to plant pathogens of the phylum Oomyceta comprising increasing the activity of the polypeptid of the present invention. The invention further relates to polynucleotides and vectors comprising these polynucleotides. The invention furthermore relates to corresponding vectors, cells, transgenic plants and transgenic propagation material derived from them, methods to produce them and to their use for the production of foodstuffs, feeding stuffs, seed, pharmaceuticals or fine chemicals.

WO 2005/014631 A1